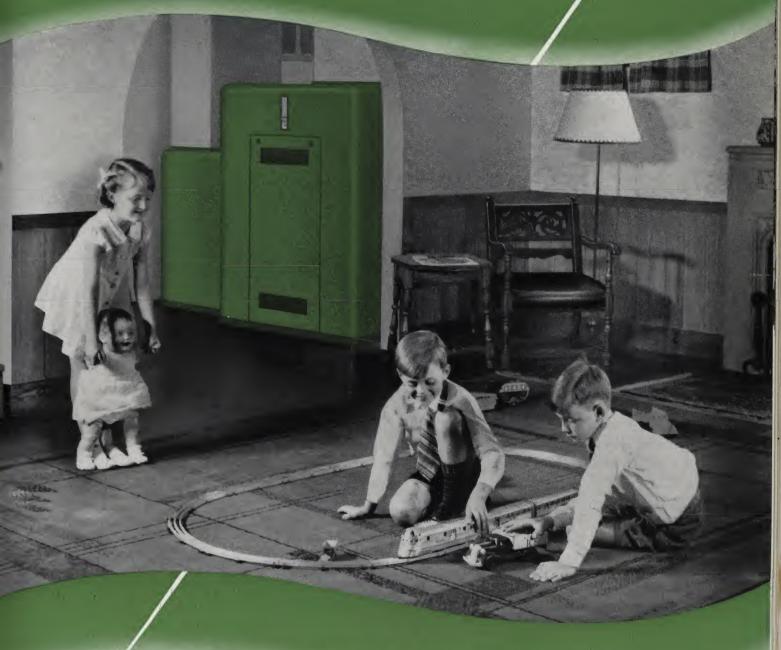
# Air Conditioning FOR YOUR HOME



by SUNIE E Z

## YOU

### CAN HAVE THE UTMOST CONFIDENCE IN

## SUNDITIONING AIR CONDITIONING

and the

# American & Standard Radiator Sanitary

CORPORATION

WHETHER your home is large or small

WHETHER your home is new or old

WHETHER you prefer to burn coal, gas or oil

WHETHER you live in the North, South, East, or West

### AMERICAN RADIATOR & STANDARD SANITARY CORPORATION

- • is the largest manufacturer of heating and winter air conditioning equipment in the world and is a pioneer in residential air conditioning.
- • manufactures units for burning coal, gas or oil.
- • makes the most popular air conditioning units on the market. More Sunbeam Air Conditioners have been installed than any other make.
- offers an unequalled range of types, sizes and prices.
- • maintains a complete engineering service to assist you, your architect and contractor to scientifically plan a Sunbeam Air Conditioning System for your home.
- has a reputable, experienced and dependable heating contractor in your locality as the Sunbeam Representative.
- offers you a convenient monthly payment plan.
- fully guarantees its products to be free from any and all defects in material and workmanship.



Every housewife is "pure food conscious" as is proved by the careful way she buys, protects and prepares food. Laws control our sources of food supply to safeguard our health. That pure food promotes good health is an accepted fact.

Until recent years however, very little attention was given to another important element in our lives—the air we breathe. As long as the air in our homes was sufficiently warm for comfort very little thought was given to the condition of the air. Thanks to the progress of science we now know that pure air is as essential as pure food. 7 pounds of food and drink and 34 pounds of air are consumed by the average person every 24 hours. Food and drink provide only 40% of our energy. 60% of our energy comes from the air we breathe.

Surely air, so important a factor in our daily lives, deserves most serious thought. The dry, stuffy, impure air in our homes has not only caused discomfort, but medical authorities agree that it is responsible for much of our winter illness. The necessity of controlling the condition of the air in our homes cannot be over-emphasized. The welfare of all the family

depends on it. Today, a convenient, economical method of maintaining healthful, refreshing atmosphere in our homes is available through Sunbeam Air Conditioning which provides these five important advantages:

- 1. WARMS THE AIR—Air is warmed to the degree of temperature you select on your thermostat.
- 2. CLEANS THE AIR—Sunbeam's efficient filters remove the germs, pollen and dirt from the air.
- 3. MOISTENS THE AIR—The Sunbeam Spray Humidifier injects a fine spray of moisture into the desert dry winter air of your home. A humidistat automatically regulates the indoor humidity to a healthful degree.
- 4. CIRCULATES THE AIR—The blower fan circulates this pure, conditioned air uniformly to all parts of your home. There are no "cold spots" in a Sunbeam home.
- 5. COOLS THE AIR—On hot summer nights the blower draws in and circulates cool evening breezes throughout the house, assuring you a restful night's sleep. A mechanical cooling unit can be readily added at any time.

## LET'S LOOK AT THE

Millions of impurities float about in the air in our homes. These dust particles, dirt, germs and pollen-which are inhaled into our sensitive breathing organs fifteen times a minute irritate the membranes of the nose and throat, causing colds, bronchitis, sinus ailments and other respiratory illnesses. Medical authorities hold impure winter air responsible for much of our sickness.





According to reliable statistics, from one to five tons of soot are distributed daily over every square mile of the average industrial community.

Everyone healthier. Whole house cleaner. Less housework.

Soo how

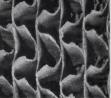
### SUNBEAM AIR CONDITIONING FILTERS-CLEANS **PURIFIES** THE AIR

A Sunbeam Air Conditioner filters the impurities from the air. Besides safeguarding the health of your family, Sunbeam's efficient filtering saves housework . . . there's less dusting . . . curtains and drapes stay clean longer . . . walls, floors, rugs and other furnishings require less attention.

The air from your rooms enters the Sunbeam Air Conditioning Unit through the Blower-Filter compartment (shown below) and is drawn through the small tubes or cells of the Sunbeam Filters. The sides of these cells are coated with an adhesive, sticky coating which traps the particles of foreign matter. At the center of the filter the air must turn a corner and then pass through cells of reduced size. All of the air receives a thorough scrubbing, as it wipes against the dust absorbing substance, and the maximum of foreign matter is extracted.



Arrows indicate the journey of the air through a Sunbeam Filter. These filters possess a high cleaning efficiency and an ample storage capacity that offers but little resistance to air circulation long after other types of filters are completely clogged. Easily replaced at low cost.



View at left above shows the top of the honey-comb type cells BEFORE use. View at right above, shows a filter AFTER a few months' service. See dirt extracted.

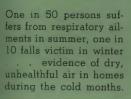
The Blower-Filter compartment is shown at right. Note the unusually large filter area which is provided by the Sunbeam.



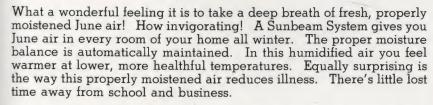
# HOW DRY CUIT

## ENDANGERS HEALTH

Cold air, which enters our homes in winter, contains practically no moisture. When this dry air is heated—to 70° for example—its affinity for moisture increases. It absorbs moisture from our bodies, and the rapid evaporation that results makes us feel chilly. To overcome this discomfort, we increase the temperature of the air by "firing up". Hot, parched air dries the mucus membranes which protect our nasal passages and we become subject to winter illnesses.



You feel warmer in lower, more healthful temperatures.



Sunbeam's controlled humidification does away with excessive temperatures, thus reducing fuel costs. Humidified air also preserves furniture and other household possessions by preventing them from drying out. Expensive repairs and replacements are avoided.

Just how a Sunbeam System controls humidity . . . without any attention on your part . . . is shown below. These carefully engineered devices are worth careful study.

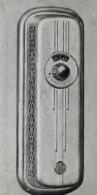
Sunbeam
AIR CONDITIONING
HEALTHFULLY
MOISTENS
THE AIR



Each winter day, 5 to 25 gallons of water, depending on the size of your home, should be added to the air. The Sunbeam Humidifier illustrated at the left has the capacity to maintain the correct relative humidity in your home regardless of the weather. This humidifier is located in the warm air duct, which connects to the top of the Sunbeam Heating Compartment, and is controlled by a humidistat (right) placed upstairs.

As moisture is required in your rooms, the humidistat automatically sets the humidifier in operation and an atomized spray of water is injected into the air. This fine mist is easily absorbed by the heated air before it is circulated to your rooms.





### POOR VENTILATION CAUSES DROWSINESS AND FATIGUE

During the winter months when we close the doors and windows to keep out the cold air, the atmosphere in our homes tends to become stale and stuffy, particularly in well constructed houses which permit little air leakage around doors and windows. Our lungs and the pores of our skin react to the lack of fresh air. We are "slowed down" feel drowsy and tired. This sluggish condition can often be blamed on insufficientventilation and inadequate circulation of air.





Stale, motionless air takes its toll of the evening's enjoyment. City health regulations require thea tres and other public buildings to constantl refresh their air supply

"Our quiet Sunbeam Blower changes the air 4 to 5 times an hour."

SUNBEAM AIR CONDITIONING **VENTILATES AND** CIRCULATES THE AIR

See how

When you have a Sunbeam Air Conditioning System in your home, the clean, humidified air is kept in almost constant circulation. The atmosphere is completely changed four to five times an hour-every twelve to fifteen minutes. This continually refreshed air energizes and invigorates. It promotes the pleasure and vigor of all the family; when you entertain, you find your guests full of zest till the last farewell. Ventilation and air circulation are necessary for our physical wellbeing and comfort. Sunbeam gives you gentle, draftless air movement —there are no annoying air currents—and does it without effort on your part. Air circulation is automatically controlled the same as the filtering and humidifying processes.

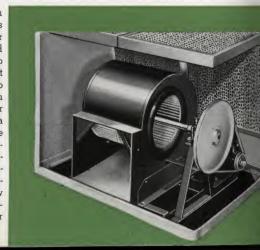


#### Sunbeam Return Air Grille Warm Air Register

Since registers and grilles are the only parts of a Sunbeam Air Conditioning System you will see in the living rooms of your home, you will naturally want to select them with care. Insist on Genuine Sunbeam Registers and Grilles and you will have the satisfaction of knowing that your system is unified, coordinated and of the highest quality throughout. Attractive Sunbeam Registers and Grilles can be installed in baseboards or walls. They are inconspicuous, save floor space and can be finished to harmonize with any decorative scheme.

Sunbeam

The Sunbeam Blower delivers conditioned air instantly and uniformly to every room. It operates so quietly you would never know there is a blower in the system. Scientific design enables it to deliver a large volume of air at low speeds, thus minimizing power costs.



## CHILLY ROOMS AND DRAFTY FLOORS BRING DISCOMFORT AND SICKNESS

Wintertime brings annoyance, expense, discomfort and unnecessary sickness unless adequate temperatures are maintained throughout the home. Frequently when older heating methods are used, one part of the house is "like an ice box," another part roasting at a "boiler room" temperature. Areas near windows and doors are cold. Valuable heat collects at the ceilings while the "living level" of the rooms is uncomfortably cool. Floors where the children play are unhealthful.

"Cold spots", in any part of the house near windows and on the floors, are uncomfortable and dangerous. Uniform warmth is one of Sunbeam's important advantages.

Plenty of uniform, healthful warmth in every room all winter.

The warmth that your Sunbeam provides is more than mere heat. It is a kind of warmth such as you have probably never experienced in your home. Air is warmed—to the temperature you select on the thermostat. This delightfully warmed air, filtered and moistened, is gently but positively forced by pressure from the blower into every corner of your house. Such positive, controlled distribution of heat eliminates "cold spots" near the windows, keeps floors warm, and assures uniform house temperatures.

Sunbeam warmth is easy on the fuel bill, too. Lower temperatures, rapid delivery of heat, prevention of overheating and the general efficiency of the Air Conditioning System result in lower operating costs.

SUNBEAM
AIR CONDITIONING
GIVES ABUNDANT HEAT
IN WINTER...COOLS
IN SUMMER

See how



### SUMMER COOLING . . . THROUGH COOLING VENTILATION . . . THROUGH MECHANICAL COOLING EQUIPMENT

In summer, the Sunbeam System dissipates the heat which has accumulated during the day by drawing in cool night air, purifying it, and circulating it throughout your home. You will sleep more soundly. Your house is cooler when you awaken in the morning, and it stays cooler all day long.

At the time you install your winter air conditioning system, or later, a Sunbeam Cooling Unit can easily be added to your air conditioning system. This efficient unit lowers the temperature and dehumidifies the air. The same ducts used for winter air conditioning are used for delivering the cooled, dehumidified air in summer. Sunbeam's cooling Unit, which is similar to the unit in a household refrigerator, is shown at left.

# WHY BE A Slave TO OLD METHODS

In many homes it is necessary for someone to be constantly chasing up and down stairs, regulating chains, or otherwise attending to a temperamental heating plant. The lack of automatic controls on these heating plants causes extra work and bother; temperatures are not uniform; fuel is wasted and a fire hazard created by overheating.



See how

# SUNBEAM AIR CONDITIONING SAVES WORK SAVES FUEL SAVES TIME

#### CONTROLS FOR LARGE HOMES

It is difficult to control the heating of large or rambling houses by only one thermostat. Sunbeam provides evenly distributed warmth in such homes through Zone Control. The rooms are grouped into "zones" of one room or several rooms each. A thermostat located in one room of each zone regulates the heat supply of that zone. If only one zone requires additional heat, the system delivers warm, conditioned air to that one zone without overheating the balance of house and wasting fuel. The desired temperature is automatically maintained in every part of the house.

The atmosphere in your home can be controlled automatically when you have a Sunbeam System. Sensitive and accurate instruments regulate the warmth and the humidity. You adjust the thermostat to the degree of warmth you like best by setting the dial at a certain temperature, 70° for example. The humidistat is set to the proper relative humidity, 35% possibly. You can then forget about your air conditioning system. As long as the fire is burning, healthful, stimulating, refreshing atmosphere will be circulated through your home.

Automatic controls add to your leisure hours and provide you and your family with ideal, healthful indoor climate with little or no effort on your part. You make three-way savings . . . work, fuel and time.



THERMOSTAT . . . automatically regulates the temperature and maintains the degree of warmth you desire. It also guards against overheating and conserves fuel.



HUMIDISTAT... is installed in one of the living rooms. This sensitive instrument reacts to humidity and regulates the humiditying equipment according to your needs.



LIMIT CONTROL AND BLOWER SWITCH . . located in unit. Turns off burner or closes draft if unit overheats. Prevents blower from delivering cool air during winter.

# WHYWaste

## BASEMENT SPACE

The average house has from 1,000 sq. ft. to 1,400 sq. ft. of basement floor space. In most cases half of this space, sometimes more, cannot be utilized because of an out-of-date heating system which requires a great deal of room. The basement is usually a costly part of the house. This valuable space in your new home, or in your present home, can be put to good use when you install your Sunbeam.

nildren must play you ant them to play. A baseent recreation room endes youngsters to have eir fun without wear and ar on furniture upstairs or on your nerves.

Basement Recreation Room
.. More entertainment and
fun for all the family.

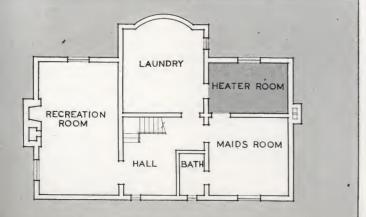
What a difference you see in the modern basement . . . with all ducts up in the ceiling and with the attractive Sunbeam Unit in its out-of-the-way corner. It's no longer a "cellar"—it is another livable floor!

Look at the picture above. Here you see a large, cheerful recreation room. By day it's a safe, clean playroom for the children. By night it's an entertainment center for the family and their guests.

Such extra space as this can, of course, be used for a variety of purposes—gymnasium, billiard room, work shop, den, sewing room, or any other purpose you desire. And the air in this reclaimed space is just as clean, dustless, fresh and healthful as that in every other part of the house.

See how

SUNBEAM
AIR CONDITIONING
GIVES YOU ANOTHER
LIVABLE FLOOR



#### BASEMENT PLANNING

Today, the planning of this new floor is just as important as the planning of any other part of the house. Some say more so because they want a fine recreation room, in addition to a well planned laundry, a cool vegetable cellar and other storage spaces.

Opposite is a typical floor plan which will show how compactly and efficiently basement space can be arranged. See what a small area is required by the Heater Room and how much valuable space is left for your individual planning.

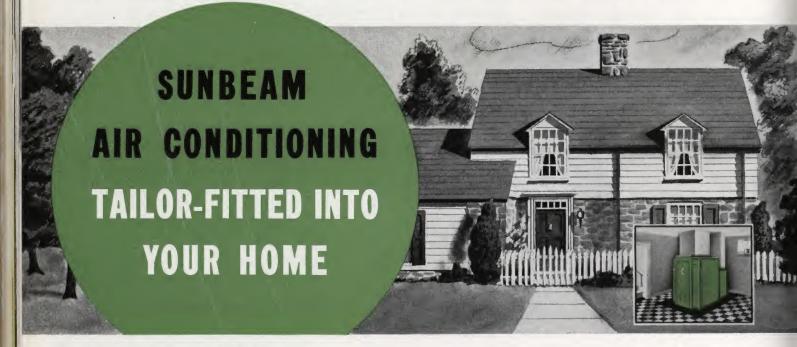
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### There are SUNBEAM AIR CONDITIONING UNITS

FOR every type of home, large or small . . . new or old FOR every kind of fuel . . . coal, oil or gas . . . FOR every budget requirement . . . every income

Perhaps your home is very large and you want to install the finest air conditioner that you can buy—one which will have large heating capacity and at the same time possess handsome appearance that will harmonize with attractive surroundings. Or perhaps you want all the benefits of air conditioning in your medium size home or modest cottage and are looking for a compact, modern, distinctive unit which will fit into the limits of

your budget. In any case, you will find a Sunbeam Air Conditioner which will exactly meet your requirements. And Sunbeam is not prejudiced in favor of any fuel. Skilled engineers, thoroughly familiar with the characteristics of coal, gas and oil, have designed Sunbeam models which will burn each of these fuels efficiently and economically. Whatever your preference, there is a Sunbeam virtually "made to order" for you.



A staff of experienced engineers at Sunbeam Headquarters in Elyria, Ohio, is ever ready to assist architects, builders, realtors and home owners in the planning of air conditioning systems.



Your local Sunbeam heating contractor who sells Sunbeam equipment has been selected for his experience in planning and installing air conditioning. Behind him is a corps of American Radiator and Standard Sanitary Corporation engineers, pioneers in the design and installation of residential air conditioning systems. These experienced, highly trained men are ready to counsel and assist in planning and designing Sunbeam Air Conditioning Systems. A Sunbeam properly engineered in your home is your assurance that you have equipment "tailor-fitted" to meet your individual needs.



## GAS BURNING Sunbeam Units

If you prefer gas as fuel, you will find that the Sunbeam Series ''D'' will adequately fill your requirements.

This Series is designed for gas burning exclusively and is 100% automatic. It is highly efficient, pleasing in appearance, and built to give many years of economical service.

The heating elements are constructed of heavy cast iron. Their unusual design provides a large area of heating surface which economically utilizes the heat generated by the fuel. A fuel-saving, corrugated inner casing brings the circulating air into intimate contact with the heating elements and prevents heat from escaping into the basement. Time-proven valves, pressure regulators and pilots, which give safe, carefree, automatic operation are standard equipment.



The deluxe cabinet adds an attractive note to even the most modern home. It is constructed of heavy No. 20 gauge furniture steel and is finished in two tone green baked enamel. It is so designed that all pipes, wires, regulators and other accessories are concealed, yet are easily accessible through the removable panels.

Series "D" heating element is constructed of rugged durable cast iron. It is designed to keep fuel costs at a minimum.



Interior view of Series "D" showing the blower, motors, filters, heating elements, controls and other equipment which warms, humidifies, purifies and circulates the air in winter. All of these accessories are concealed within the two tone green enamel casing.



### COAL BURNING Sunbeam Units



Sunbeam Series No. 5500 Air Conditioning Unit made in hand fired, stoker fired and oil fired models.

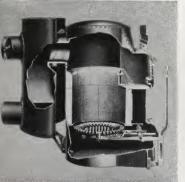
The coal burning Sunbeam Air Conditioning Units offer you the same high quality which has characterized all Sunbeam products for over half a century. They are made in a range of sizes and prices that will meet your every need. There are four Series: cast iron and steel heating elements; hand fired and stoker fired models.

The Series "S" is the de luxe coal fired Series and is designed solely for carefree, economical operation with stoker firing. It will accommodate hopper or bin feed types of any standard make of stoker. Its many exclusive features make coal firing more nearly 100% automatic than it has ever been before. The No. 20 gauge furniture steel cabinets are attractively finished in two-tone green, baked enamel.

The Series Nos. 80, 20 and 5500 are in the medium and lower price brackets.



Sunbeam Series No. 20 Air C ditioning Unit made in hand fi models. Heating element is of heat durable seat iver



Cutaway view of heating element of Series No. 80 hand fired model; constructed of No. 7 gauge boiler plate steel —durable and efficient. Seams are BOTH riveted and welded.



Heating element of Series No. 5500, hand fired model. Made of No. 8 gauge boiler plate, seams riveted and welded. Expert design and construction make this low priced Series an unusual value.



With all Sunbeam Units, cooler air circulates between an inner casing and the cabinet. This insulating air prevents heat loss into basement, conserves fuel, and keeps cabinet cool.

The Series No. 20 has heavy, durable, cast in heating element. The Series Nos. 80 and 5500 have boil plate steel heating element and are made in stoker firm models as well as hand firm models. They are also available in oil burning mode which accommodate at make of pressure type oburner. These Series has the standard modern cabin constructed of No. 20 gaugsteel and finished in gree crystalline, baked enamel.



### OIL BURNING S

### Sunbeam Units

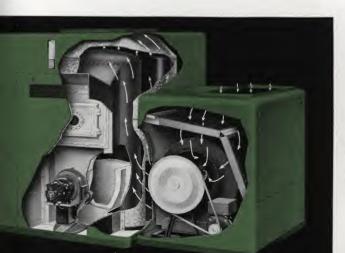
If you are seeking a dependable, efficient, moderately priced oil fired air conditioning unit, you will find in the Series No. 1100 the equipment which is ideal for your home.

This Series is specially engineered for oil firing. The burner, as well as all other accessories, are completely concealed within the trim, modern casing which is finished in green, crystalline, baked enamel.

The Sunbeam oil burner, which has many exclusive features, is co-ordinated with the Series No. 1100 for silent, fuel conserving, satisfactory operation. It is a pressure type burner, designed and engineered to meet the demand for automatic oil heat at low first cost and low operating cost. Silent action and trouble-free operation have added to its popularity. All moving parts are housed in one complete rubber-cushioned assembly to prevent noise. Designed to burn a cheaper grade of oil

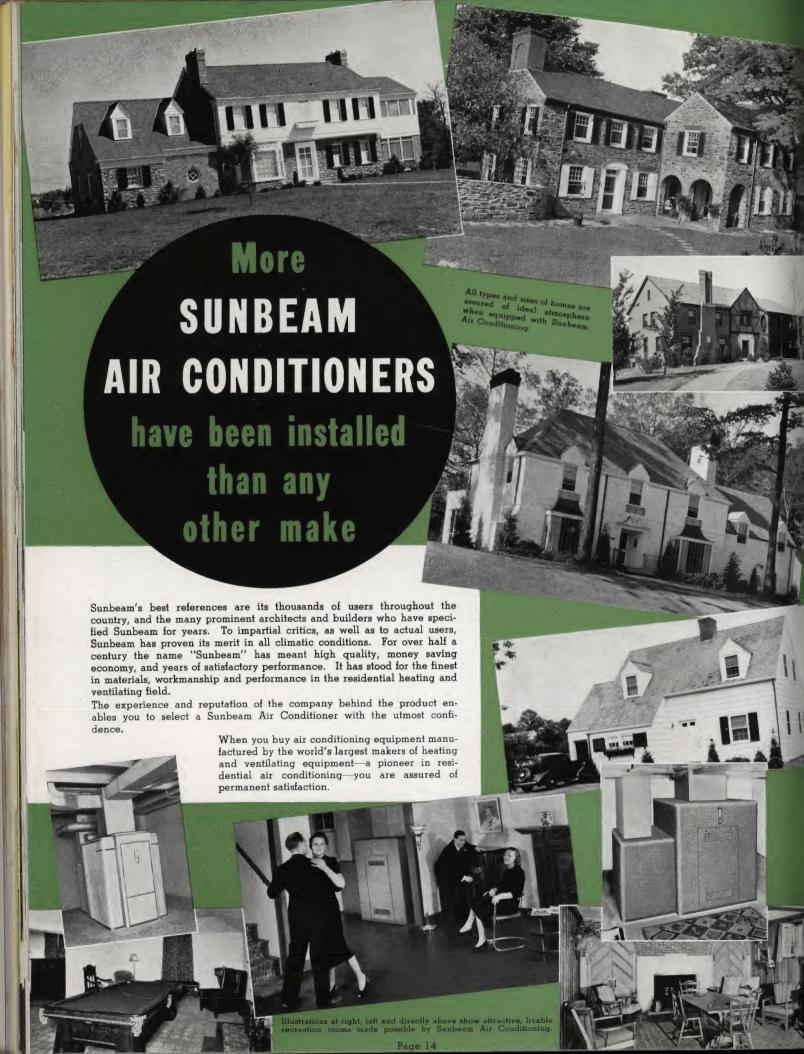
and to burn it efficiently, the Sunbeam Oil Burner assures maximum economy.

The rugged heating element is constructed of boiler plate steel notable for the rapidity with which it warms the air and for its ability to withstand for many years. the strains of intense heat and intermittent oil firing. The walls are unusually heavy—approximately  $\frac{3}{16}$  of an inch thick! All seams are BOTH riveted and welded—doubly and permanently sealed leakproof to prevent fumes escaping into the air which circulates through your home. The illustration below demonstrates the thickness of the walls of the heating element. The picture of the riveted and welded seam shows an actual section cut from a heating element. Your Sunbeam heating contractor has one of these section samples. Ask him to submit it for your inspection. See for yourself this construction feature which means years of trouble-free operation and long life for your Sunbeam Unit.

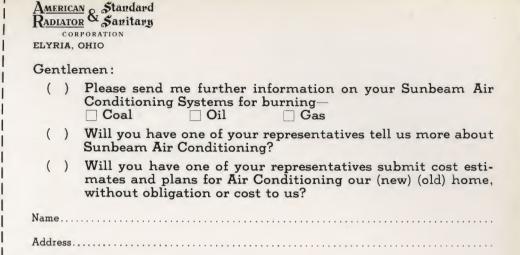


Sunbeam Series No. 1100, designed for oil firing exclusively, with sections cut away to show the position of oil burner, heating element, inner casing, blower, motor and filters.





FILL IN AND RETURN THIS POST CARD. NOSTAMP IS NEEDED.





### SUNBEAM AIR CONDITIONING

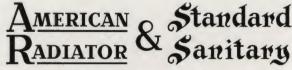
City and State....

### increases the value of your home

Air conditioning can no longer be considered a luxury. Modern manufacturing methods have reduced the cost of Sunbeam Air Conditioning to within reach of almost any family budget. Today, a house planned without air conditioning is obsolete before it is finished. Sunbeam Air Conditioning, in addition to affording many healthful comforts and operating economies, protects the investment value of your home. An air conditioned house is a modern house. It is more salable—and at a better price.

Today families with even the most modest of incomes can afford Sunbeam Air Conditioning . . . pay for it as they would a new car. Whether you are planning a new home or are simply modernizing the heating plant in your present one, Sunbeam Air Conditioning costs little, if any, more than an ordinary heating system. The Sunbeam finance plan offers you a low cost, time payment arrangement extending over a period of years and with low monthly payments.

You owe it to your family and yourself to investigate the possibilities of Sunbeam Air Conditioning. Make the acquaintance of your local Sunbeam Contractor. He is no further away than your telephone. He is a trained specialist on warm air heating and air conditioning and has been selected because of his experience in designing and installing air conditioning systems. He will gladly co-operate with you, your architect or builder, and submit a quotation without cost or obligation. Phone him today or mail the above post card.



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